

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|-----------------------------------------------------------------------------------------|-------------------------------------------|------------------|---------|------------------|
| L2 | 1 | (381/431).ccls. and ((flat or panel) adj2 \$4speaker) same (correct\$3 or compensat\$4) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/03/14 16:02 |
| L3 | 44 | ((flat or panel) adj2 \$4speaker) same (correct\$3 or compensat\$4) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/03/14 16:02 |
| L4 | 2 | ((flat or panel) adj2 \$4speaker) same (correct\$3 or compensat\$4) same inverse | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/03/14 16:03 |
| L5 | 5 | ((flat or panel) adj2 \$4speaker) same (correct\$3 or compensat\$4) and inverse | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/03/14 16:03 |
| S1 | 282 | (381/152).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2004/06/28 10:43 |
| S2 | 170 | (381/59).CCLS. | USPAT; USOCR; EPO; JPO | OR | OFF | 2005/09/14 10:37 |
| S3 | 6 | (("3626281") or ("3449531") or ("4675835") or ("3728497")).PN. | USPAT; USOCR; EPO; JPO | OR | OFF | 2004/06/18 10:50 |
| S4 | 0 | EP-168078-\$.did. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/03/08 10:17 |
| S5 | 0 | EP-0168078-\$.did. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 10:50 |
| S6 | 1 | EP-567061-\$.did. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/13 14:46 |
| S7 | 1 | WO-9937121-\$.did. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 10:52 |
| S8 | 1 | GB-2289185-\$.did. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/13 12:53 |
| S9 | 5 | "5377274".URPN. | USPAT | OR | OFF | 2004/06/18 11:47 |
| S10 | 3 | boesnecker.in. and (loudspeak\$2) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 12:13 |
| S11 | 0 | "Siemens." and (loudspeak\$2) same coil | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 12:14 |

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| S12 | 10 | Siemens.AS. and (loudspeak\$2) same coil | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 12:15 |
| S13 | 273 | Siemens.AS. and (loudspeak\$2) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 12:15 |
| S14 | 45 | Siemens.AS. and (loudspeak\$2) same frequency | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 12:18 |
| S15 | 7 | Siemens.AS. and (loudspeak\$2) and frequency and flat | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 12:21 |
| S16 | 4 | flat near surface near loudspeak\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 12:22 |
| S17 | 346 | (381/58).CCLS. | USPAT; USOCR; EPO; JPO | OR | OFF | 2005/03/08 10:31 |
| S18 | 1 | GB-2265519-\$.did. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 12:29 |
| S19 | 2 | ("4015089" "4769848").PN. | USPAT | OR | OFF | 2004/06/18 14:48 |
| S20 | 5 | "5377274".URPN. | USPAT | OR | OFF | 2004/06/18 13:46 |
| S21 | 5 | (381/58).ccls. and loudspeak\$2 same analyz\$4 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 14:14 |
| S22 | 11 | "4628530".URPN. | USPAT | OR | OFF | 2004/06/18 13:54 |
| S23 | 0 | ("381"/\$).ccls. and loudspeak\$2 same analyz\$4 same (requecy near response) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 14:14 |
| S24 | 16 | ("381"/\$).ccls. and loudspeak\$2 same analyz\$4 same (frequency near response) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 15:13 |
| S25 | 1 | ("5953431").PN. | USPAT; USOCR | OR | OFF | 2004/06/18 14:46 |
| S26 | 1 | ("4628530").PN. | USPAT; USOCR | OR | OFF | 2004/06/18 14:48 |
| S27 | 0 | loudspeak\$2 same analyz\$4 same (frequency near response) same inverse | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 14:50 |
| S28 | 0 | loudspeak\$2 same analyz\$4 same inverse same (frequency near response) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 14:50 |
| S29 | 1 | loudspeak\$2 same analyz\$4 same inverse and (frequency near response) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 14:51 |

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| S30 | 17 | loudspeakers\$2 same analyzers\$4 and inverse and (frequency near response) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 14:55 |
| S31 | 2 | loudspeakers\$2 same analyzers\$4 same (measures\$4 near frequency near response) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 14:57 |
| S32 | 9 | loudspeakers\$2 same analyzers\$4 and (measures\$4 near frequency near response) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 14:59 |
| S33 | 5 | "4611343".URPN. | USPAT | OR | OFF | 2004/06/18 14:58 |
| S34 | 22 | loudspeakers\$2 and analyzers\$4 and (measures\$4 near frequency near response) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 14:59 |
| S35 | 4 | (381/103,11).ccls. and loudspeakers\$2 same analyzers\$4 same (frequency near response) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 15:13 |
| S36 | 5 | (381/103,111).ccls. and loudspeakers\$2 same analyzers\$4 same (frequency near response) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 15:13 |
| S37 | 21 | (381/103,111).ccls. and loudspeakers\$2 and analyzers\$4 and (frequency near response) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/03/08 10:38 |
| S38 | 15 | filter near2 includes\$3 near (DSP) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 16:36 |
| S39 | 0 | filter near2 has\$3 near (DSP) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 16:36 |
| S40 | 229 | filter near (DSP) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 16:36 |
| S41 | 46 | digital near2 filter near (DSP) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 16:38 |
| S42 | 10 | "5081604".URPN. | USPAT | OR | OFF | 2004/06/18 16:37 |
| S43 | 3 | ("3717756" "3980873" "4805129").PN. | USPAT | OR | OFF | 2004/06/18 16:37 |
| S44 | 405 | coil near2 mounts\$2 near2 plate | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 16:38 |
| S45 | 3 | (coil near2 mounts\$2 near2 plate) same loudspeakers\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/18 16:39 |
| S46 | 11 | "4628530".URPN. | USPAT | OR | OFF | 2004/06/18 16:44 |

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| S47 | 5 | ((("4628530") or ("5377274") or ("5081604") or ("6259800") or ("6522760")).PN. | USPAT | OR | OFF | 2005/03/08 10:01 |
| S48 | 0 | EP-168078-\$.did. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/03/08 10:17 |
| S49 | 318 | (381/431).CCLS. | USPAT; USOCR; EPO; JPO | OR | OFF | 2005/09/13 13:41 |
| S50 | 4 | (381/431).ccls. and correct\$3 adj3 frequency adj2 response | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/13 13:02 |
| S51 | 21 | ("4053711" "4569076" "4908858" "4933786" "4997058" "5185679" "5210796" "5216718" "5263086" "5333201" "5400405" "5412731" "5524053" "5572591" "5592558" "5638452" "5657391" "5680464" "5872851" "5970153" "6038323").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/08 10:36 |
| S52 | 34 | (381/58,59,103,111,431).ccls. and (frequency near response) same inverse | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/03/09 15:26 |
| S53 | 1 | (381/58,59,103,111,431).ccls. and (frequency near curve) same inverse | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/03/08 11:17 |
| S54 | 4 | ("381"/\$).ccls. and (frequency near curve) same inverse | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/03/08 11:16 |
| S55 | 77 | \$4speak\$4 and (frequency near curve) and inverse | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/03/08 11:16 |
| S56 | 8 | ("381"/\$).ccls. and (frequency near curve) same microphone | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/03/08 11:17 |
| S57 | 27 | (381/58,59,103,111,431).ccls. and (frequency near curve) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/14 10:38 |
| S58 | 117 | (381/431).ccls. and frequency adj2 response | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/03/08 11:35 |
| S59 | 1 | (381/431).ccls. and (frequency adj2 response) same inverse | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/03/09 14:18 |

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| S60 | 2 | (flat adj2 \$4speak\$4) same (frequency near response) same inverse | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/03/08 11:37 |
| S61 | 1 | (381/431).ccls. and compensat\$4 adj3 frequency adj2 response | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/03/09 14:16 |
| S62 | 2 | (381/431).ccls. and compensat\$4 adj3 frequency | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/03/09 14:16 |
| S63 | 21 | ("4053711" "4569076" "4908858" "4933786" "4997058" "5185679" "5210796" "5216718" "5263086" "5333201" "5400405" "5412731" "5524053" "5572591" "5592558" "5638452" "5657391" "5680464" "5872851" "5970153" "6038323").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/09 14:17 |
| S64 | 8 | (381/431).ccls. and (frequency same inverse) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/03/09 15:02 |
| S65 | 1 | ("4628530").PN. | USPAT | OR | OFF | 2005/03/09 15:25 |
| S66 | 0 | (381/58,59).ccls. and (DFT or FFT) near3 FIR | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/14 10:38 |
| S67 | 0 | (381/58,59,103,111).ccls. and (DFT or FFT) near3 FIR | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/14 11:27 |
| S68 | 3 | (381/58,59,103,111).ccls. and (DFT or FFT) same FIR | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/03/09 15:27 |
| S69 | 37 | (381/58,59).ccls. and FIR | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/03/09 15:55 |
| S70 | 1 | ("5081604").PN. | USPAT | OR | OFF | 2005/03/09 15:48 |
| S71 | 1 | (381/58,59).ccls. and coefficient\$3 with frequency with curve | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/13 13:08 |
| S72 | 2 | ((("6760451") or ("5081604"))).PN. | USPAT | OR | OFF | 2005/03/09 16:11 |
| S73 | 10 | coefficient\$3 with deriv\$7 with frequency with curve | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/03/09 16:13 |
| S74 | 0 | GB-2068678-\$.did. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/13 12:53 |

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| S75 | 1 | GB-2068678-\$.did. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/09/13 12:54 |
| S76 | 124 | (381/431).ccls. and frequency adj2 response | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/13 13:42 |
| S77 | 49 | (381/431).ccls. and (frequency adj2 response) same coil | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/13 13:03 |
| S78 | 20 | (381/431).ccls. and (frequency adj2 response) same coil and inverse | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/13 13:05 |
| S79 | 1 | (381/431).ccls. and (frequency adj2 response) and coil and inverse and curve | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/13 13:07 |
| S80 | 21 | (381/431).ccls. and (frequency adj2 response) and coil and inverse | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/13 13:07 |
| S81 | 0 | (381/58,59).ccls. and requery with response and coil | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/13 13:09 |
| S82 | 0 | (381/58,59).ccls. and requery with response and inverse | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/13 13:08 |
| S83 | 46 | (381/58,59).ccls. and frequency with response and inverse | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/13 13:08 |
| S84 | 58 | (381/58,59).ccls. and frequency with response and coil | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/13 15:19 |
| S85 | 45 | (381/58,59).ccls. and (frequency adj2 response) and coil | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/14 11:38 |
| S86 | 34 | (381/58,59).ccls. and (frequency adj2 response) and coil and (flat or thin or plate) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/13 13:12 |
| S87 | 19 | (381/58,59).ccls. and (frequency adj2 response) and coil and (flat or thin) and inverse | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/13 13:12 |
| S88 | 376 | (381/431).CCLS. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/13 13:41 |
| S89 | 11 | (381/431).ccls. and inverse with frequency | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/13 13:42 |

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| S90 | 8 | ("4109107" "4823391" "5303307" "5327504" "5377274" "5511129" "5694476" "6370253").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/09/13 13:47 |
| S91 | 1 | ("4316060").PN. | USPAT | OR | OFF | 2005/09/13 13:47 |
| S92 | 2 | ((flat or thin) with loudspeaker) same (inverse with frequency with response) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/13 14:47 |
| S93 | 169 | (381/98).ccls. and (flat or panel or (bending adj2 wave)) same frequency | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/13 15:23 |
| S94 | 156 | (381/431).ccls. and (flat or panel or (bending adj2 wave)) same frequency | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/14 13:02 |
| S95 | 2404 | ("381"/\$).ccls. and (flat or panel or (bending adj2 wave)) same frequency | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/13 15:24 |
| S96 | 2397 | ("381"/\$).ccls. and (flat or panel or (bending adj2 wave) adj2 \$4speaker) same frequency | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/13 15:24 |
| S97 | 155 | (381/431).ccls. and (flat or panel or (bending adj2 wave) adj2 \$4speaker) same frequency | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/14 14:46 |
| S98 | 264 | (381/59).CCLS. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/14 10:37 |
| S99 | 12 | (381/58,59).ccls. and (flat or panel) adj2 \$4speaker | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/14 13:40 |
| S10 0 | 0 | carver.in. and "xu mei" | USPAT; EPO; JPO | OR | OFF | 2005/09/14 11:15 |
| S10 1 | 802 | carver.in. | USPAT; EPO; JPO | OR | OFF | 2005/09/14 11:15 |
| S10 2 | 10 | carver.in. and \$4speaker and distortion | USPAT; EPO; JPO | OR | OFF | 2005/09/14 11:17 |
| S10 3 | 24 | carver.in. and \$4speaker | USPAT; EPO; JPO | OR | OFF | 2005/09/14 11:29 |
| S10 4 | 13 | (381/58,59,98,99,103,111).ccls. and (carver) and (distortion or compensation) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/14 11:27 |
| S10 5 | 3 | carver.in. and xu | USPAT; EPO; JPO | OR | OFF | 2005/09/14 11:29 |
| S10 6 | 125 | (381/58,59).ccls. and (frequency adj2 response) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/14 11:38 |

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| S10 7 | 9 | (381/431).ccls. and (oscilla\$5 adj3 coil) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/14 13:14 |
| S10 8 | 0 | EP-145997-\$.did. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/14 13:15 |
| S10 9 | 2 | EP-145997-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/14 13:16 |
| S11 0 | 1 | ("4109107").PN. | USPAT | OR | OFF | 2005/09/14 13:16 |
| S11 1 | 50 | ("381"/\$).ccls. and ((flat or panel) adj2 speaker) same coil | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/14 13:46 |
| S11 2 | 72 | ("381"/\$).ccls. and ((plate) adj2 speaker) same coil | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/14 13:52 |
| S11 3 | 83 | ("381"/\$).ccls. and ((flat or panel) adj2 \$4speaker) same coil | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/14 13:55 |
| S11 4 | 9 | ("3509290" "3569638" "3801943" "4322583" "4488012" "5818950" "6151402" "6192136").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/09/14 13:48 |
| S11 5 | 62 | ("381"/\$).ccls. and ((flat or panel) adj2 \$4speaker) same (driver) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/14 14:04 |
| S11 6 | 1 | ("381"/\$).ccls. and ((flat or panel) adj2 \$4speaker) same (Tv) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/14 14:05 |
| S11 7 | 10 | ((flat or panel) adj2 \$4speaker) same (Tv) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/14 14:35 |
| S11 8 | 1 | ((flat or panel) adj2 \$4speaker) with (audio adj2 range) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/14 14:36 |
| S11 9 | 3 | ((flat or panel) adj2 \$4speaker) same (audio adj2 range) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/14 15:04 |
| S12 0 | 162 | ((flat or panel) adj2 \$4speaker) same (range or spectrum) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/14 14:37 |
| S12 1 | 32 | (381/431).ccls. and ((flat or panel) adj2 \$4speaker) same range | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/03/14 16:02 |

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| S12 2 | 161 | ((flat or panel) adj2 \$4speaker) and (compensation or correction or non-linear) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/09/14 15:05 |
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